



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/988,493

DATE: 05/31/2002
TIME: 11:48:54

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\05312002\I988493.raw

ENTERED

4 <110> APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri
5 O'Hare, Michael John
6 Page, Martin John
7 Parekh, Rajesh Bhikhu
8 Waterfield, Michael Derek
10 <120> TITLE OF INVENTION: Proteins, Genes, and Their Use for
11 Diagnosis and Treatment of Breast Cancer
14 <130> FILE REFERENCE: 2543-1-024
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/988,493
C--> 16 <141> CURRENT FILING DATE: 2002-05-21
16 <150> PRIOR APPLICATION NUMBER: PCT/GB01/01219
17 <151> PRIOR FILING DATE: 2001-03-20
19 <150> PRIOR APPLICATION NUMBER: GB 0006695.1
20 <151> PRIOR FILING DATE: 2000-03-20
22 <150> PRIOR APPLICATION NUMBER: GB 0007265.2
23 <151> PRIOR FILING DATE: 2000-02-24
25 <160> NUMBER OF SEQ ID NOS: 308
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 11
31 <212> TYPE: PRT
32 <213> ORGANISM: homo sapien
34 <400> SEQUENCE: 1
35 Ile Ser Ile Ser Thr Ser Gly Gly Ser Phe Arg
36 1 5 10
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 13
40 <212> TYPE: PRT
41 <213> ORGANISM: homo sapien
43 <400> SEQUENCE: 2
44 Ala Ser Leu Glu Gly Asn Leu Ala Glu Thr Glu Asn Arg
45 1 5 10
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 13
49 <212> TYPE: PRT
50 <213> ORGANISM: homo sapien
52 <400> SEQUENCE: 3
53 Leu Leu Glu Gly Glu Asp Ala His Leu Thr Gln Tyr Lys
54 1 5 10
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 10
58 <212> TYPE: PRT
59 <213> ORGANISM: homo sapien

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/988,493

DATE: 05/31/2002
TIME: 11:48:54

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\05312002\I988493.raw

61 <400> SEQUENCE: 4
62 Asn His Glu Glu Met Asn Ala Leu Arg
63 1 5 10
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 16
67 <212> TYPE: PRT
68 <213> ORGANISM: homo sapien
70 <400> SEQUENCE: 5
71 Thr Met Gln Ala Leu Glu Ile Glu Leu Gln Ser Gln Leu Ser Met Lys
72 1 5 10 15
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 8
76 <212> TYPE: PRT
77 <213> ORGANISM: homo sapien
79 <400> SEQUENCE: 6
80 Ala Leu Gln Leu Glu Glu Arg
81 1 5
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 10
85 <212> TYPE: PRT
86 <213> ORGANISM: homo sapien
88 <400> SEQUENCE: 7
89 Ala Pro Asp Phe Val Phe Tyr Ala Pro Arg
90 1 5 10
92 <210> SEQ ID NO: 8
93 <211> LENGTH: 8
94 <212> TYPE: PRT
95 <213> ORGANISM: homo sapien
97 <400> SEQUENCE: 8
98 Glu Lys Glu Glu Leu Met Leu Arg
99 1 5
101 <210> SEQ ID NO: 9
102 <211> LENGTH: 8
103 <212> TYPE: PRT
104 <213> ORGANISM: homo sapien
106 <400> SEQUENCE: 9
107 Lys Glu Asn Pro Leu Gln Phe Lys
108 1 5
110 <210> SEQ ID NO: 10
111 <211> LENGTH: 12
112 <212> TYPE: PRT
113 <213> ORGANISM: homo sapien
115 <400> SEQUENCE: 10
116 Gly Gln Leu Glu Ala Leu Gln Val Asp Gly Gly Arg
117 1 5 10
119 <210> SEQ ID NO: 11
120 <211> LENGTH: 10
121 <212> TYPE: PRT
122 <213> ORGANISM: homo sapien

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/988,493

DATE: 05/31/2002
TIME: 11:48:54

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\05312002\I988493.raw

```

124 <400> SEQUENCE: 11
125 Gln Glu Glu Leu Glu Ala Ala Leu Gln Arg
126 1 5 10
128 <210> SEQ ID NO: 12
129 <211> LENGTH: 12
130 <212> TYPE: PRT
131 <213> ORGANISM: homo sapien
133 <400> SEQUENCE: 12
134 Ser Ala Tyr Gly Gly Pro Val Gly Ala Gly Ile Arg
135 1 5 10
137 <210> SEQ ID NO: 13
138 <211> LENGTH: 10
139 <212> TYPE: PRT
140 <213> ORGANISM: homo sapien
142 <400> SEQUENCE: 13
143 Ser Met Gln Asp Val Val Glu Asp Phe Lys
144 1 5 10
146 <210> SEQ ID NO: 14
147 <211> LENGTH: 11
148 <212> TYPE: PRT
149 <213> ORGANISM: homo sapien
151 <400> SEQUENCE: 14
152 Thr Ala Ala Glu Asn Glu Phe Val Val Leu Lys
153 1 5 10
155 <210> SEQ ID NO: 15
156 <211> LENGTH: 9
157 <212> TYPE: PRT
158 <213> ORGANISM: homo sapien
160 <400> SEQUENCE: 15
161 Ala Leu Leu Thr Leu Ala Asp Gly Arg
162 1 5
164 <210> SEQ ID NO: 16
165 <211> LENGTH: 16
166 <212> TYPE: PRT
167 <213> ORGANISM: homo sapien
169 <400> SEQUENCE: 16
170 Asp Tyr Pro Asp Phe Ser Pro Ser Val Asp Ala Glu Ala Ile Gln Lys
171 1 5 10 15
173 <210> SEQ ID NO: 17
174 <211> LENGTH: 8
175 <212> TYPE: PRT
176 <213> ORGANISM: homo sapien
178 <400> SEQUENCE: 17
179 Phe Thr Glu Ile Leu Cys Leu Arg
180 1 5
182 <210> SEQ ID NO: 18
183 <211> LENGTH: 16
184 <212> TYPE: PRT
185 <213> ORGANISM: homo sapien

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/988,493

DATE: 05/31/2002
 TIME: 11:48:54

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF3\05312002\I988493.raw

```

187 <400> SEQUENCE: 18
188 Gly Ala Gly Thr Asn Glu Asp Ala Leu Ile Glu Ile Leu Thr Thr Arg
189 1 5 10 15
191 <210> SEQ ID NO: 19
192 <211> LENGTH: 11
193 <212> TYPE: PRT
194 <213> ORGANISM: homo sapien
196 <400> SEQUENCE: 19
197 Gly Ile Gly Thr Asp Glu Phe Thr Leu Asn Arg
198 1 5 10
200 <210> SEQ ID NO: 20
201 <211> LENGTH: 9
202 <212> TYPE: PRT
203 <213> ORGANISM: homo sapien
205 <400> SEQUENCE: 20
206 Met Leu Ile Ser Ile Leu Thr Glu Arg
207 1 5
209 <210> SEQ ID NO: 21
210 <211> LENGTH: 9
211 <212> TYPE: PRT
212 <213> ORGANISM: homo sapien
214 <400> SEQUENCE: 21
215 Asn Thr Pro Ala Phe Leu Ala Glu Arg
216 1 5
218 <210> SEQ ID NO: 22
219 <211> LENGTH: 9
220 <212> TYPE: PRT
221 <213> ORGANISM: homo sapien
223 <400> SEQUENCE: 22
224 Ser Glu Ile Asp Leu Leu Asp Ile Arg
225 1 5
227 <210> SEQ ID NO: 23
228 <211> LENGTH: 15
229 <212> TYPE: PRT
230 <213> ORGANISM: homo sapien
232 <400> SEQUENCE: 23
233 Ser Leu Gly Asp Asp Ile Ser Ser Glu Thr Ser Gly Asp Phe Arg
234 1 5 10 15
236 <210> SEQ ID NO: 24
237 <211> LENGTH: 16
238 <212> TYPE: PRT
239 <213> ORGANISM: homo sapien
241 <400> SEQUENCE: 24
242 Leu Glu Ala Glu Leu Gly Asn Met Gln Gly Leu Val Glu Asp Phe Lys
243 1 5 10 15
245 <210> SEQ ID NO: 25
246 <211> LENGTH: 12
247 <212> TYPE: PRT
248 <213> ORGANISM: homo sapien

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/988,493

DATE: 05/31/2002
 TIME: 11:48:54

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF3\05312002\I988493.raw

```

250 <400> SEQUENCE: 25
251 Leu Glu Gly Leu Thr Asp Glu Ile Asn Phe Leu Arg
252 1 5 10
254 <210> SEQ ID NO: 26
255 <211> LENGTH: 10
256 <212> TYPE: PRT
257 <213> ORGANISM: homo sapien
259 <400> SEQUENCE: 26
260 Leu Ser Glu Leu Glu Ala Ala Leu Gln Arg
261 1 5 10
263 <210> SEQ ID NO: 27
264 <211> LENGTH: 8
265 <212> TYPE: PRT
266 <213> ORGANISM: homo sapien
268 <400> SEQUENCE: 27
269 Gln Leu Tyr Glu Glu Ile Arg
270 1 5
272 <210> SEQ ID NO: 28
273 <211> LENGTH: 15
274 <212> TYPE: PRT
275 <213> ORGANISM: homo sapien
277 <400> SEQUENCE: 28
278 Ser Asn Met Asp Asn Met Phe Glu Ser Tyr Ile Asn Asn Leu Arg
279 1 5 10 15
281 <210> SEQ ID NO: 29
282 <211> LENGTH: 11
283 <212> TYPE: PRT
284 <213> ORGANISM: homo sapien
286 <400> SEQUENCE: 29
287 Thr Glu Met Glu Asn Glu Phe Val Leu Ile Lys
288 1 5 10
290 <210> SEQ ID NO: 30
291 <211> LENGTH: 10
292 <212> TYPE: PRT
293 <213> ORGANISM: homo sapien
295 <400> SEQUENCE: 30
296 Tyr Glu Glu Leu Gln Ser Leu Ala Gly Lys
297 1 5 10
299 <210> SEQ ID NO: 31
300 <211> LENGTH: 11
301 <212> TYPE: PRT
302 <213> ORGANISM: homo sapien
304 <400> SEQUENCE: 31
305 Ile Gly Gly Ile Gly Thr Val Pro Val Gly Arg
306 1 5 10
308 <210> SEQ ID NO: 32
309 <211> LENGTH: 8
310 <212> TYPE: PRT
311 <213> ORGANISM: homo sapien

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/988,493

DATE: 05/31/2002

TIME: 11:48:55

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\05312002\I988493.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date